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Cell Lines	
ATCC Number: CRL-1651	Price: \$175.00
<input type="button" value="Order this item"/>	
Designation: COS-7	Depositors: Y. Gluzman
Biosafety Level: 2	Shipped: frozen
Medium & Serum: See Propagation	Growth Properties: adherent
Organism: <i>Cercopithecus aethiops</i> (African green monkey)	Morphology: fibroblast
Tissue: kidney; SV40 transformed	
Cellular Products: T antigen	
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Related Cell Culture Products	
Comments:	This line was derived from the CV-1 cell line (ATCC CCL-70) by transformation with an origin defective mutant of SV40 which codes for wild-type T antigen. [1822] The sale of any endangered wildlife is conditional on the issuance of a valid permit by the U.S. Fish and Wildlife Service and will not be consummated until a permit is obtained from the U.S. Fish and Wildlife Service.
Applications:	transfection host
Virus Susceptibility:	SV40 (lytic growth); SV40 tsA209 at 40C; SV40 mutants with deletions in the early region
Propagation:	ATCC medium: Dulbecco's modified Eagle's medium with 4 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate and 4.5 g/L glucose, 90%; fetal bovine serum, 10% Temperature: 37.0 C

Subculturing:	Remove medium, and rinse with 0.25% trypsin, 0.03% EDTA solution. Remove the solution and add an additional 1 to 2 ml of trypsin-EDTA solution. Allow the flask to sit at room temperature (or at 37C) until the cells detach. Add fresh culture medium, aspirate and dispense into new culture flasks.
Split Ratio:	A subcultivation ratio of 1:4 to 1:8 is recommended
Fluid Renewal:	2 to 3 times per week
Freeze Medium:	culture medium 95%; DMSO, 5%
Related Products:	Recommended medium (without the additional supplements or serum described under ATCC Medium) - ATCC 30-2002 recommended serum - ATCC 30-2020 parental cell line - ATCC CCL-70
References:	<p><u>1822</u>: Gluzman Y. SV40-transformed simian cells support the replication of early SV40 mutants. Cell 23: 175-182, 1981. PubMed: <u>6260373</u></p> <p><u>32447</u>: Fernandez LM, Puett D . Lys583 in the third extracellular loop of the lutropin/choriogonadotropin receptor is critical for signaling. J. Biol. Chem. 271: 925-930, 1996. PubMed: <u>8557706</u></p> <p><u>32459</u>: Maestrini E, et al . A family of transmembrane proteins with homology to the MET-hepatocyte growth factor receptor. Proc. Natl. Acad. Sci. USA 93: 674-678, 1996. PubMed: <u>8570614</u></p> <p><u>32500</u>: Campbell M, et al . The simian foamy virus type 1 transcriptional transactivator (Tas) binds and activates an enhancer element in the gag gene. J. Virol. 70: 6847-6855, 1996. PubMed: <u>8794326</u></p> <p><u>32502</u>: Gonzalez Armas JC, et al . DNA immunization confers protection against murine cytomegalovirus infection. J. Virol. 70: 7921-7928, 1996. PubMed: <u>8892915</u></p> <p><u>32547</u>: Jang SI, et al . Activator protein 1 activity is involved in the regulation of the cell type-specific expression from the proximal promoter of the human profilaggrin gene. J. Biol. Chem. 271: 24105-24114, 1996. PubMed: <u>8798649</u></p> <p><u>32566</u>: Dittrich E, et al . A di-leucine motif and an upstream serine in the interleukin-6 (IL-6) signal transducer gp130 mediate ligand-induced endocytosis and down-regulation of the IL-6 receptor. J. Biol. Chem. 271: 5487-5494, 1996. PubMed: <u>8621406</u></p> <p><u>32568</u>: Lee JH, et al . The proximal promoter of the human transglutaminase 3 gene. J. Biol. Chem. 271: 4561-4568, 1996. PubMed: <u>8626812</u></p> <p><u>32720</u>: Chen Y, et al . Demonstration of binding of dengue virus envelope protein to target cells. J. Virol. 70: 8765-8772, 1996. PubMed: <u>8971005</u></p> <p><u>32728</u>: Russell DW, Miller AD . Foamy virus vectors. J. Virol. 70: 217-222, 1996. PubMed: <u>8523528</u></p> <p><u>32861</u>: Wright DA, et al . Association of human fas (CD95) with a ubiquitin-conjugating enzyme (UBC-FAP). J. Biol. Chem. 271: 31037-31043, 1996. PubMed: <u>8940097</u></p> <p><u>32893</u>: Zhang J, et al . Dynamin and beta-arrestin reveal distinct mechanisms for G protein-coupled receptor internalization. J. Biol. Chem. 271: 18302-18305, 1996. PubMed: <u>8702465</u></p> <p><u>33011</u>: Ozcelebi F, et al . Phosphorylation of cholecystokinin receptors expressed on chinese hamster ovary cells. J. Biol. Chem. 271: 3750-3755, 1996. PubMed: <u>8631990</u></p> <p><u>33013</u>: Gibson S, et al . Functional LCK is required for optimal CD28-mediated activation of the TEC family tyrosine kinase EMT/ITK. J. Biol. Chem. 271: 7079-7083, 1996. PubMed: <u>8636141</u></p> <p><u>33016</u>: Shaul PW, et al . Acylation targets endothelial nitric-oxide synthase to plasmalemmal caveolae. J. Biol. Chem. 271: 6518-6522, 1996. PubMed: <u>8626455</u></p> <p><u>33032</u>: Ladner RD, et al . Identification of a consensus cyclin-dependent kinase phosphorylation site unique to the nuclear form of human deoxyuridine triphosphate nucleotidohydrolase. J. Biol. Chem. 271: 7752-7757, 1996. PubMed: <u>8631817</u></p> <p><u>33038</u>: Wu X, et al . Demonstration of a physical interaction between microsomal triglyceride transfer protein and apolipoprotein B during the assembly of ApoB-containing lipoproteins. J. Biol. Chem. 271: 10277-10281, 1996. PubMed: <u>8626595</u></p> <p><u>33052</u>: Hawes BE, et al . Phosphatidylinositol 3-kinase is an early intermediate in the G beta gamma-mediated mitogen-activated protein kinase signaling pathway. J. Biol. Chem. 271: 12133-12136, 1996. PubMed: <u>8647803</u></p> <p><u>33137</u>: Arai H, Charo IF . Differential regulation of G-protein-mediated signaling by chemokine receptors. J. Biol. Chem. 271: 21814-21819, 1996. PubMed: <u>8702980</u></p> <p><u>33163</u>: Hsieh CM, et al . APEG-1, a novel gene preferentially expressed in aortic smooth muscle cells, is down-regulated by vascular injury. J. Biol. Chem. 271: 17354-17359, 1996. PubMed: <u>8663449</u></p> <p><u>33175</u>: Holtmann MH, et al . Multiple extracellular loop domains contribute critical determinants for agonist binding and activation of the secretin receptor. J. Biol. Chem. 271: 14944-14949, 1996. PubMed: <u>8663161</u></p>

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